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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,136	09/28/2001	Sanjai Narain	1458-US	4446
9941	7590	04/29/2005	EXAMINER	
TELCORDIA TECHNOLOGIES, INC. ONE TELCORDIA DRIVE 5G116 PISCATAWAY, NJ 08854-4157			VU, THONG H	
			ART UNIT	PAPER NUMBER
			2142	

DATE MAILED: 04/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/966,136

Applicant(s)

NARAIN, SANJAI

Examiner

Thong H. Vu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 March 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 10-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

1. Claims 1-9 are canceled. New claims 10-19 are pending. The Final Action is appropriate.

Claim Rejections - 35 USC § 112

2. Claims 10-11 have invoked the 112 sixth paragraph.
3. Claims 14,18,19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention (i.e.: it was unclear what device on network storing the first and second database and execute the translating, storing and issuing command).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 10-19 are rejected under 35 U.S.C. § 103 as being obvious over Slutz [6,138,112] in view of Derzay et al [Derzay 6,434,572 B2].

4. As per claim 10, Slutz discloses A system for diagnosing and configuring a network devices including a plurality of devices, the network configuration being based on functional requirement (or the translation of the end-to-end), said system comprising:

a first requirements database for functional requirements (or storing end-to-end service) as intermediate abstractions representing functional requirement (or the translation of the end-to-end) [Slutz, a DBMS server application, col 3 lines 30-53; translation, col 6 line 33-col 7 line 5; col 12 lines 23-40];

a second configuration database [Slutz,, a second dDBMS, col 3 lines 54-60];

a provisioning engine (i.e.: software function or module) connected to said first requirements database and to said second configuration database for storing in said second configuration database detailed device configuration parameter values, each configuration parameter value relating to a setting of a device in the network [Slutz; test program, test generator, a set of configuration parameters for the test procedure, col 3 line 54-col 50 et seq.; select List, col 12 lines 41-65];

a diagnosis engine connected to said first requirements database and said to said second configuration database for determining the consistency between the configuration parameters in said second configuration database and said intermediate abstractions in said first requirement database [Slutz, block 332 tests the data in a pseudo-verification mode for comparison for catching error or check the function requirements for each executed statement, col 5 lines 35-42; alternative elements, col 14 lines 20-48]; and

However Slutz does not detail end-to-end or PPP service; and

means for issuing commands from said second configuration database to set respective devices in the network to the configuration parameter values in the configuration database.

In the same endeavor, Derzay discloses a diagnostic system with remote databases and local database [Derzay, col 7 line 25- col 8 line 10, Fig 2] connect via a Internet or PPP module [Derzay, col 6 lines 50-65; col 11 lines 39-et seq.] using commanding operation [Derzay, col 5 lines 62] to perform the service issues including database, configuration parameter, comparison purposes, updated routines, etc. [Derzay, col 18 lines 43-67]

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the command from database to perform analysis of the service issues as taught by Derzay into the Slutz's apparatus in order to utilize the diagnostic system with databases. Doing so would provide a coordination of service in a user friendly and interactive manner.

5. Claim 11 contain the similar limitations set for in claim 10. Therefore claim 11 is rejected for the same rational set forth in claim 10.

6. As per claim 12, Slutz-Derzay disclose a processor responsive to said intermediate abstractions stored in said first requirements database for compiling said intermediate abstractions into said configuration parameter values for storage in said second configuration database [Slutz, a DBMS server application, col 3 lines 30-53; translation, col 6 line 33-col 7 line 5; col 12 lines 23-40]

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7. As per claim 13, Slutz-Derzay disclose a processor that checks said stored configuration parameter value- against said requirements to determine if there is inconsistency there between and permits storage of said configuration parameter values in said second configuration database only if there are no such inconsistencies determined [Slutz, a DBMS server application, col 3 lines 30-53; translation, col 6 line 33-col 7 line 5; col 12 lines 23-40].

8. As per claim 14, Slutz-Derzay disclose A method for configuring a network which includes a plurality of devices, said method comprising the steps of;

translating end-to-end service or functional requirements into a set of library requirements and storing said library requirements in a first requirements database as intermediate abstractions representing the translation of the end-to-end service or functional requirements [Slutz, a DBMS server application, col 3 lines 30-53; translation, col 6 line 33-col 7 line 5; col 12 lines 23-40; libraries test scripts, col 1 lines 23-34] [Derzay, PPP module col 6 lines 50-65; col 11 lines 39-et seq.];

based on the stored intermediate abstractions, storing in a second configuration database detailed device configuration parameter values, each configuration parameter value relating to a setting on a device in the network [Slutz,, a second DBMS, col 3 lines 54-60];

However Slutz does not detail end-to-end or PPP service; and

issuing commands from said second configuration database detailed devices in the network to the configuration parameter values in the configuration database, thereby establishing the end-to-end service or function for configuring the network

In the same endeavor, Derzay discloses a diagnostic system with remote databases and local database [Derzay, col 7 line 25- col 8 line 10, Fig 2] connect via a Internet or PPP module [Derzay, col 6 lines 50-65; col 11 lines 39-et seq.] using commanding operation [Derzay, col 5 lines 62] to perform the service issues including database, configuration parameter, comparison purposes, updated routines, etc. [Derzay, col 18 lines 43-67]

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the command from database to perform analysis of the service issues as taught by Derzay into the Slutz's apparatus in order to utilize the diagnostic system with databases. Doing so would provide a coordination of service in a user friendly and interactive manner.

9. As per claim 15, Slutz-Derzay disclose checking that the library requirements stored in said first requirements database are true for the particular configuration settings of said devices in said network and said step of storing said detailed device configuration values in said second configuration database occurring only if said checking sep determined that said requirements are true [Slutz, libraries test scripts, col 1 lines 23-34].

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10. As per claim 16, Slutz-Derzay disclose said checking step occurs recursively, one requirement at a time [Slutz, recursively, col 8 lines 9-22; col 10 lines 8-61, col 11 lines 14-32].

11. As per claim 17, Slutz-Derzay disclose creating a record if said checking step determines that one of said requirements is not true as inherent feature of logs or record [Slutz, logs, col 5 lines 35-42; recording the choice, col 14 lines 49-52].

12. As per claim 11, Slutz-Derzay disclose A system for diagnosing configuration errors in a network including a plurality of devices, the network configuration being based on end-to-end service or functional requirements, said system comprising;

a first requirements database for storing a set of library requirements comprising the translation of the end-to-end device or functional requirements [Slutz, a DBMS server application, col 3 lines 30-53; translation, col 6 line 33-col 7 line 5; col 12 lines 23-40] [Derzay, PPP module col 6 lines 50-65; col 11 lines 39-et seq.];

a second configuration database for storing detailed configuration parameters, each configuration parameter relating to a setting on a device in the network [Slutz,, a second DBMS, col 3 lines 54-60];

a processor connected to said first requirements database and to said second confirmation database for recursively determining the consistency between the configuration parameters in said second configuration database [Slutz, recursively, col 8

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lines 9-22; col 10 lines 8-61, col 11 lines 14-32] and the library requirements in said first requirements database [Slutz, libraries test scripts, col 1 lines 23-34]: and

means coupled to said processor for creating a record of each inconsistency [Slutz, logs, col 5 lines 35-42; recording the choice , col 14 lines 49-52].

However Slutz does not detail end-to-end or PPP service;

In the same endeavor, Derzay discloses a diagnostic system with remote databases and local database [Derzay, col 7 line 25- col 8 line 10, Fig 2] connect via a Internet or PPP module [Derzay, col 6 lines 50-65; col 11 lines 39-et seq.] using commanding operation [Derzay, col 5 lines 62] to perform the service issues including database, configuration parameter, comparison purposes, updated routines, etc. [Derzay, col 18 lines 43-67]

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the command from database to perform analysis of the service issues as taught by Derzay into the Slutz's apparatus in order to utilize the diagnostic system with databases. Doing so would provide a coordination of service in a user friendly and interactive manner.

13. As per claim 19, Slutz-Derzay disclose A method for diagnosing configuration errors in a network including a plurality of devices, the network configuration being based end-to-end service or functional requirements, said method comprising the steps of:

storing in a first requirements database a set of library requirements comprising the translation of the end-to-end service or functional requirements [Slutz, a DBMS server application, col 3 lines 30-53; translation, col 6 line 33-col 7 line 5; col 12 lines 23-40] [Derzay, PPP module col 6 lines 50-65; col 11 lines 39-et seq.];

storing detailed configuration parameters in a second configuration database, each configuration parameter relating to a getting on a device in the network [Slutz,, a second DBMS, col 3 lines 54-60];

recursively determining the consistency between the configuration parameters in said second configuration database [Slutz, recursively, col 8 lines 9-22; col 10 lines 8-61,col 11 lines 14-32] and the library requirements in said first requirements database [Slutz, libraries test scripts, col 1 lines 23-34]; and

creating a record of any inconsistency thus determined [Slutz, logs, col 5 lines 35-42; recording the choice , col 14 lines 49-52].

However Slutz does not detail end-to-end or PPP service;

In the same endeavor, Derzay discloses a diagnostic system with remote databases and local database [Derzay, col 7 line 25- col 8 line 10, Fig 2] connect via a Internet or PPP module [Derzay, col 6 lines 50-65; col 11 lines 39-et seq.] using commanding operation [Derzay, col 5 lines 62] to perform the service issues including database, configuration parameter, comparison purposes, updated routines, etc. [Derzay, col 18 lines 43-67]

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the command from database to perform analysis of

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the service issues as taught by Derzay into the Slutz's apparatus in order to utilize the diagnostic system with databases. Doing so would provide a coordination of service in a user friendly and interactive manner.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thong Vu, whose telephone number is (571)-272-3904. The examiner can normally be reached on Monday-Thursday from 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Jack Harvey*, can be reached at (571) 272-3896. The fax number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval IPAIRI system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Vu
Patent Examiner
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